

NEW HAMPSHIRE WATER SUPPLY AND POLLUTION CONTROL COMMISSION

LAKE TROPHIC DATA

MORPHOMETRIC:

LAKE <u>Converse Meadow Pond</u>	LAKE AREA (HA) <u>13.44</u>
TOWN <u>Rindge</u>	MAXIMUM DEPTH (M) _____
COUNTY <u>Cheshire</u>	MEAN DEPTH (M) _____
RIVER BASIN <u>Connecticut</u>	VOLUME (M ³) _____
LATITUDE <u>42°45'N</u>	MUD SURFACE AREA (HA) _____
LONGITUDE <u>71°59'W</u>	RELATIVE DEPTH _____
ELEVATION (FT) <u>1,081</u>	SHORE CONFIGURATION <u>1.62</u>
SHORE LENGTH (M) <u>2,100</u>	AREAL WATER LOAD (M/YR) _____
WATERSHED AREA (HA) <u>1,381.6</u>	FLUSHING RATE (YR ⁻¹) _____
% WATERSHED PONDED <u>3.2</u>	PHOSPHORUS RETENTION COEFF. _____

BIOLOGICAL:

DATE		
DOM. PHYTOPLANKTON (% total) ¹		
²		
NUMBER OF ALGAL GENERA		
TOTAL ALGAL COUNTS (cells/ml)		
CHLOROPHYLL <u>a</u> (µg/L)		
DOM. ZOOPLANKTON (% total) ¹		
²		
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
TOTAL ZOOPLANK. CNTS (cells/L)		
VASCULAR PLANT ABUNDANCE		
DOMINANT VASCULAR PLANTS ¹		
²		
³		
SECCHI DISK TRANSPARENCY (M)		
BOTTOM DISS. OXYGEN (mg/L)		
SEDIMENT: % ORGANIC MATTER		

LAKE TYPE: An artificial pond.

SUMMER THERMAL STRATIFICATION: YES ____ NO ____ WEAK ____

IF YES, VOLUME OF HYPOLIMNION _____ (m³) THERMOCLINE DEPTH _____ (m)

CHEMICAL: (mg/L unless indicated otherwise) LAKE: Converse Meadow Pond

	WINTER		SUMMER		
DATE DATE					
DEPTH (M)					
pH (UNITS)					
ALKALINITY					
TOTAL KJELDAHL NITROGEN					
NITRITE+NITRATE NITROGEN					
DISSOLVED ORTHOPHOSPHATE					
TOTAL PHOSPHORUS					
SPEC. CONDUCT. (μ Mhos/cm)					
APPARENT COLOR (UNITS)					
TURBIDITY (NTU)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
TN : TP					
INORG-N : INORG-P					
[Mg+Ca] : [Na+K]					
CALCITE SATURATION INDEX					

* = NOT DEFENSIBLE

NR = NO RESULT

TROPHIC CLASSIFICATION: _____

D.O.	S.D.	PLANT ABUND.	CHL <u>a</u>	TOTAL PTS.	TROPHIC CLASS.
					PRIVATE

CLASSIFICATION POINTS:

- COMMENTS:
1. This is a shallow beaver pond located on private property.
 2. The pond was not sampled because it is privately owned and there was no public access; no trophic classification was assigned.
 3. This was previously called Reservoir Pond.